



GENERAL NOTES:

- A. SHALL BE INSTALLED IN METER AND REGULATOR VAULTS ONLY WHERE PRESSURE IS 80 PSI OR LESS. IF PRESSURES EXCEED 80 PSI, INSTALL PRESSURE REDUCING VALVE PER PLUMBING CODE.
- B. ELECTRIC SUMP PUMPS MAY BE ALLOWED IF APPROVED BY A DISTRICT ENGINEER.

NOTES:

- 1. FOLLOW MANUFACTURERS INSTRUCTIONS FOR INSTALLATION OF SUMP PUMP ASSEMBLY.
- 2. INSTALL CHANNEL STRUT WITHIN 6" OF EACH END OF HYDRAULIC SUMP PUMP ASSEMBLY. STACK AND BOLT CHANNEL STRUT, PER STRUT MANUFACTURERS RECOMMENDATION, TO SPACE HYDRAULIC SUMP PUMP ASSEMBLY OFF OF VAULT WALL TO ALLOW 2" CLEARANCE IN ALL DIRECTIONS AROUND FLOAT.
- 3. LOCATE SUMP PUMP SUCTION INLET 3"-6" FROM VAULT FLOOR.
- 4. ALLOW ADEQUATE ROOM FOR TESTING OF DOUBLE CHECK VALVE ASSEMBLY.
- 5. THIS DETAIL IS SCHEMATIC IN NATURE, ACTUAL PIPING CONFIGURATION MUST BE APPROVED BY TWD INSPECTION STAFF PRIOR TO CONSTRUCTION.
- 6. TAP SHALL BE UPSTREAM OF METER.
- 7. CONNECT SUMP PUMP INSTALL 1" COPPER TO MIPT, 1" UNION, 1" X 3/4" BRASS BUSHING, AND 3/4" CLOSE BRASS NIPPLE.
- 8. REFER TO DETAIL 702 FOR ADDITIONAL INSTALLATION DETAILS NOT SHOWN.
- 9. 18" MIN. DIAMETER PVC PIPE, PERFORATE ENTIRE PIPE AND WRAP PVC PIPE WITH MIRAFI FW402 FILTER FABRIC TO PREVENT INTRUSION OF ROCKS.
- 10. PROVIDE SCHEDULE 40 PVC PIPING AND FITTINGS TO CONNECT BOTH THE SUCTION AND OUTLET OF THE SUMP PUMP.
- 11. BENDING OF COPPER TUBING IS PERMITTED, MIN. 12" RADIUS. KINKS IN TUBING ARE NOT ALLOWED.

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**TUALATIN VALLEY
WATER DISTRICT**

APPROVED BY
PETER BOONE

DRAWING SCALE
NONE

HYDRAULIC SUMP PUMP
INSTALLATION

EFF. DATE 07/01/24

STANDARD DETAIL

703